

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference ATHEY / P32969PC	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2005/001451	International filing date (day/month/year) 15/04/2005	(Earliest) Priority Date (day/month/year) 15/04/2004
Applicant ATHERA BIOTECHNOLOGIES AB		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 05 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

ANNEXIN V FOR PREVENTING ATHEROTHROMBOIS AND PLAQUE RUPTURE

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/001451

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/17 A61K39/395 A61P7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/152513 A1 (BLANKENBERG FRANCIS G ET AL) 14 August 2003 (2003-08-14) paragraphs '0015!, '0028!, '0031! - '0033! claims -----	1-4
X	WO 02/067857 A (SURROMED, INC) 6 September 2002 (2002-09-06) claims 1,5,12,27,30 page 7, line 13 - line 24 page 8, line 5 - line 12 page 30, line 22 - line 27 ----- -/--	1-4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

1 August 2005

Date of mailing of the international search report

11/08/2005

Name and mailing address of the ISA

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Böhmerova, E

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/001451

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MARI C ET AL: "Annexin V, a new therapeutic tool in atherosclerosis" JOURNAL OF NUCLEAR MEDICINE, vol. 43, no. 5 Supplement, May 2002 (2002-05), page 7P, XP009051427 & 49TH ANNUAL MEETING OF THE SOCIETY OF NUCLEAR MEDICINE; LOS ANGELES, CA, USA; JUNE 15-19, 2002 ISSN: 0161-5505	1-4
Y	abstract	5
X	THIAGARAJAN PERUMAL ET AL: "Inhibition of arterial thrombosis by recombinant annexin V in a rabbit carotid artery injury model" CIRCULATION, 'Online! vol. 96, no. 7, 1997, pages 2339-2347, XP002338645 ISSN: 0009-7322 Retrieved from the Internet: URL: http://circ.ahajournals.org/cgi/content/abstract/96/7/2339 'retrieved on 2005-07-27! figures 3,4 abstract	1-4
X	US 2003/170241 A1 (AUKRUST PAL ET AL) 11 September 2003 (2003-09-11) claims paragraphs '0013!, '0014!, '0023!	8,10
X	SHERER Y ET AL: "Immunomodulation for treatment and prevention of atherosclerosis" AUTOIMMUNITY REVIEWS 2002 NETHERLANDS, vol. 1, no. 1-2, 2002, pages 21-27, XP002338646 ISSN: 1568-9972	8,10
Y	abstract page 24, paragraph 2	11
Y	ALVES J D ET AL: "Atherosclerosis, oxidative stress and auto-antibodies in systemic lupus erythematosus and primary antiphospholipid syndrome" IMMUNOBIOLOGY, FISCHER, STUTTGART, DE, vol. 207, no. 1, 2003, pages 23-28, XP004954257 ISSN: 0171-2985 abstract page 24, left-hand column	5,11
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/001451

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GOLDENBERG H B ET AL: "Human antibody to phosphorylcholine is bactericidal against Haemophilus influenzae." ABSTRACTS OF THE GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, vol. 103, 2003, pages D-116 URL, XP009051386 & 103RD AMERICAN SOCIETY FOR MICROBIOLOGY GENERAL MEETING; WASHINGTON, DC, USA; MAY 18-22, 2003 ISSN: 1060-2011 abstract</p> <p>-----</p>	6,7,9
A	<p>EP 1 153 611 A (OMRIX BIOPHARMACEUTICALS LTD) 14 November 2001 (2001-11-14) the whole document</p> <p>-----</p>	8-11
T	<p>CEDERHOLM ANNA ET AL: "Decreased binding of annexin V to endothelial cells - A potential mechanism in atherothrombosis of patients with systemic lupus erythematosus" ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY, vol. 25, no. 1, January 2005 (2005-01), pages 198-203, XP009051391 ISSN: 1079-5642 the whole document</p> <p>-----</p>	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2005/001451

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003152513	A1	14-08-2003	NONE	
WO 02067857	A	06-09-2002	EP 1379266 A2 JP 2004528025 T WO 02067857 A2 US 2003166532 A1	14-01-2004 16-09-2004 06-09-2002 04-09-2003
US 2003170241	A1	11-09-2003	AU 4079001 A CA 2400504 A1 EP 1267905 A2 WO 0166124 A2 JP 2003525905 T NO 20024289 A	17-09-2001 13-09-2001 02-01-2003 13-09-2001 02-09-2003 11-11-2002
EP 1153611	A	14-11-2001	EP 1153611 A2 US 2001038840 A1	14-11-2001 08-11-2001